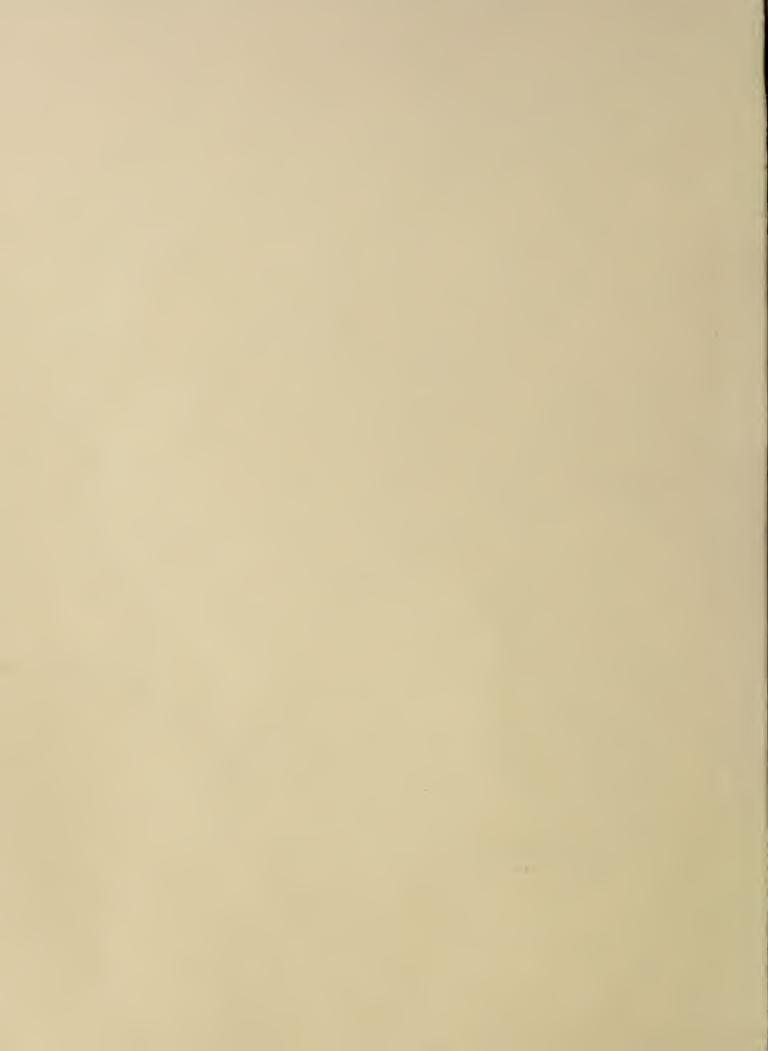
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Do not assume content reflects current scientific knowledge, policies, or practices.



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WATER SUPPLY OUTLOOK FOR IDAHO

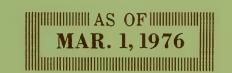


U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SURVEYOR ENROUTE TO THE MT. BALDY ARIZONA SNOW COURSE

SCS PHOTO AZ-5460

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

CONSERVATION OF WATE

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR IDAHO

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R.M. DAVIS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

Released by

AMOS I. GARRISON, JR.

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON

DIRECTOR IDAHO DEPARTMENT OF WATER RESOURCES

Report prepared by

JACK A. WILSON, Snow Survey Supervisor and

MARION O. CARSTENS, Statistical Assistant

SOIL CONSERVATION SERVICE SNOW SURVEY SECTION ROOM 345, 304 N. 8th. ST. BOISE, IDAHO 83702

WATER SUPPLY OUTLOOK for IDAHO







GENERAL SUMMARY FOR MARCH 1, 1976

In general, water supplies for irrigation and other purposes are forecast to be adequate for the 1976 runoff season. Some late season shortages might occur on streams without storage facilities and some smaller streams in the arid portions of the state. Streamflow forecasts range from a low of 64% of average for the Little Wood River drainage to a high of 120% of normal on the Teton watershed.

Stored water in the irrigation reservoirs is well above average and can be used to supplement the below to near normal runoff forecasts and fulfill irrigation demands.

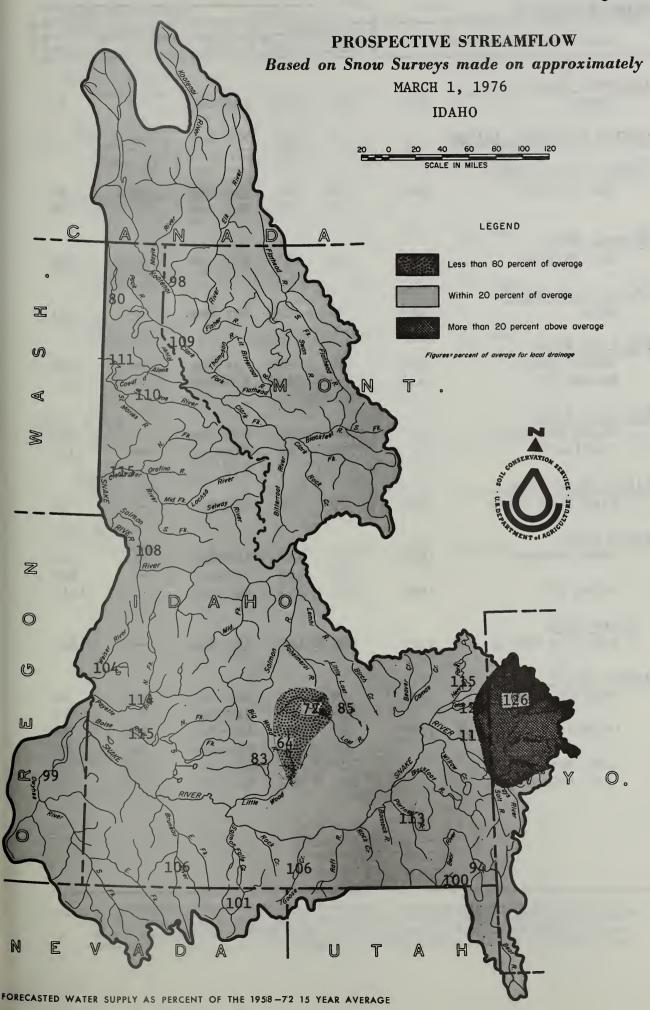
In general the snowpack improved in relation to normal during February, however not significantly. Snow-water equivalent on the mountainous watersheds ranges from a low of 67% of average on the Big Lost and Little Wood Rivers to a high of 141% of normal on the Teton River drainage.

Streamflows continued above normal in most drainage basins in the state, however all streams remained below flood stage throughout the month.

Precipitation during February was heaviest across the southern and southeastern portions of the state. Widely scattered reporting points in the more mountainous regions of central Idaho show wide variability. Temperatures were generally near normal across the district through the month of February.

STREAMFLOW FORECASTS			THIS YEA	R	PAST F	RECORD	
		FORE	CAST C	FORECAST	THOUSAND ACRE FEET		
BASIN, STREAM and/or FORECAST POIN	т	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +	
	UPPE	R COLUME	BIA BAS	IN			
KOOTENAI RIVER							
Leonia	(at)	8900	98	Apr-Sep	8093	9073	
	` ´	7900	99	Apr-Jul	6846	7957	
		6350	99	Apr-Jun	5298	6431	
PEND OREILLE RIVER							
Clark Fork River							
Whitehorse Rapids	(at)	15400	109	Apr-Sep		14336	
		14100	110	Apr-Jul		13086	
		11900	107	Apr-Jun		11325	
Priest River							
Priest River <u>1</u> /	(nr)	700	80	Apr-Jul		879	
SPOKANE RIVER							
Post Falls 2/	(at)	3350	111	Apr-Sep		3008	
St. Joe River							
Calder	(at)	1480	110	Apr-Sep		1345	
	(42)	1430	112	Apr-Jul		1277	
	SNAI	KE RIVER	R BASIN				
SNAKE RIVER - MAIN STEM		1000	106		000	050	
Moran $\frac{3}{1}$	(nr)	1080	126	Apr-Sep	938	858	
Palisades Inflow 3/		4450	121	Apr-Sep	4202	3714	
Heise 4/	(nr)	4700	119	Apr-Sep	4494	3946	
Blackfoot <u>5</u> /	(nr)	5000	120	Apr-Jul		4173	
Weiser	(at)	7050	108	Apr-Sep		6524	
Henrys Fork							
Ashton 6/	(nr)	775	115	Apr-Sep		671	
Rexburg 7/	(nr)	1610	118	Apr-Sep		1364	
Teton River							
St. Anthony	(nr)	530	120	Apr-Sep		442	

⁽c) Assuming normal meteorological conditions. 1/Observed flow corrected for storage in Priest Lake.
2/Observed flow corrected for storage in Coeur d'Alene Lake 3/Corrected for storage in Jackson Lake.
4/Corrected for storage in Jackson Lake and Palisades. 5/Corrected for storage in Jackson Lake, Palisades,
Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/Corrected for storage
in Henry's Lake and Island Park Reservoir. 1/Corrected for storage in Henry's Lake, Island Park, Grassy Lake
and diversions between Ashton and Rexburg.



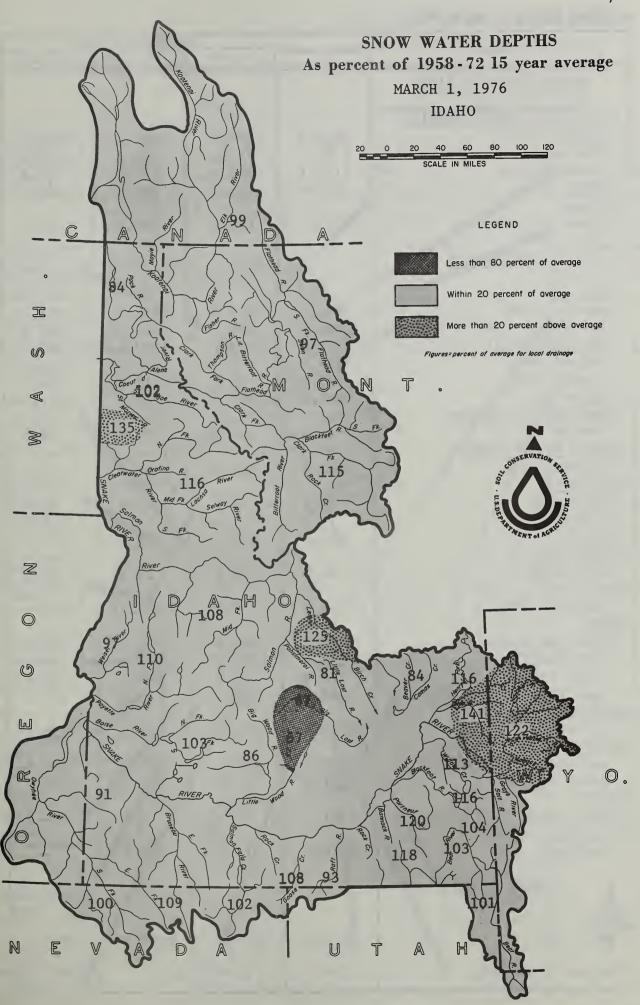
STREAMFLOW FORECASTS			THIS YEA	PAST RECORD		
		FORE	ECAST C	FORECAST	THOUSAND A	CRE FEET
BASIN, STREAM and/or FORECAST POIN	T	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +
Portneuf River						
Topaz	(at)	105	113	Mar-Sep		93
Oakley Reservoir Inflow		31	106	Mar-Sep		29.
Salmon Falls Creek						
San Jacinto	(nr)	85 82	101 102	Mar-Sep Mar-Jul		84 80
Bruneau River		010	106			006
Hot Springs	(nr)	240	106	Mar-Sep		226
Little Lost River Howe	(nr)	35	85	Apr-Sep		41
Big Lost River						
Howell Ranch	(at)	150	72	Apr-Sep		208
Mackay <u>1</u> /	(nr)	124	68	Apr-Sep		183
Big Wood River						
Magic Reservoir Inflow <u>2</u> /		250 260	83 84	Apr-Sep Mar-Jul		301 310
Little Wood River						
High Five Creek	(ab)	60	64	Apr-Sep		94
Boise River		000				
Twin Springs	(nr)	830	115	Apr-Sep	==	720
Boise <u>3</u> /	(nr)	770 1850	116 115	Apr-Jul Apr-Sep		665 1612
South Fork						
Anderson Dam 4/	(at)	690	114	Apr-Sep		603
Owyhee River						
Gold Cr., Nev. <u>5</u> /	(nr)	19 24	105 104	Apr-Jul Mar-Jul	43 	18 23
Owyhee, Nev. <u>5</u> /	(nr)	69	101	Apr-Jul	144	68
_		82	101	Mar-Jul		81
Lake Owyhee		328	99	Apr-Sep	917	332
net inflow <u>6</u> /		452	105	Mar-Jul	1072	431

⁽c) Assuming normal meteorological conditions. 1/Observed flow corrected for storage in Mackay Reservoir 2/Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/Corrected for storage in Arrow-rock, Anderson Ranch and Lucky Peak. 4/Corrected for storage in Anderson Ranch Reservoir. 5/Corrected for storage in Wild Horse Reservoir. 6/From U.S.B.R. records of inflow. + 1958-1972 period.

STREAMF' OW FORECASTS			THIS YEA	R	PAST R	ECORD
		FORE	CAST	FORECAST	THOUSAND ACRE FEET	
BASIN, STREAM and/or FORECAST POIN	Т	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +
Payette River						
Horseshoe Bend $\underline{1}/$	(nr)	2110	114	Apr-Sep		1850
North Fork	(-+)	625	110	A		560
Cascade 3/	(at)	635	113	Apr-Sep		562
Banks <u>3</u> /	(nr)	830	114	Apr-Sep		730
Weiser River Weiser ab. Crane						
Creek 4/		530	104	Mar-Sep		511
Salmon River						
Whitebird	(at)	7500	108	Apr-Sep		6959
Clearwater River Spalding	(at)	9900	115	Apr-Sep		8605
Sparding	(at)	9,000	113	Abr-peb		0005
	<u>G</u>	REAT BAS	IN			
BEAR RIVER						
Harer	(at)	280	94	Apr-Sep		297
Montpelier Creek						
Montpelier	(nr)	14.5	117	Apr-Sep		12.4
Cub River Preston	(22)	50	100	Apr-505		50.0
rieston	(nr)	50	100	Apr-Sep		20.0

COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF: LAST YEAR 1958-72 AVERAG		
UPPER COLUMBIA RIVER BASIN				
Kootenai River Pend Oreille River Clark Fork River Flathead River Priest River Spokane River	27 78 49 29 4 8	93 102 106 97 56 95	99 107 115 97 84 102	
LOWER SNAKE RIVER BASIN				
Palouse River Clearwater River Salmon River Lemhi River MIDDLE SNAKE RIVER BASIN - Northsid	5 9 13 5	86 106 105 135	135 116 108 125	
Little Lost River Big Lost River Fish Creek Little Wood River Big Wood River Boise River Payette River Weiser River Mann Creek	5 7 2 4 10 13 12 2 4	92 79 85 77 89 97 98 86 69	81 67 93 67 86 103 110 97	
MIDDLE SNAKE RIVER BASIN - Southsid	<u>e</u>			
Raft River Goose-Trapper Creeks Salmon Falls Creek Bruneau River Owyhee River Jordan Creek	7 3 10 5 5 6	84 99 85 83 60 74	93 108 102 109 100 91	
UPPER SNAKE RIVER BASIN Snake Basin - Wyoming Camas-Beaver Creeks Henrys Fork River Teton River Willow Creek Blackfoot River Portneuf River	28 2 10-11 2-11 5-9 3-4 4	128 70 122 133 108 114 99	122 84 116 141 113 116 120	
GREAT BASIN				
Bear River Montpelier Creek Mink Creek Cub River Malad River	29 4 7 2-3 4-6	98 103 99 100 97	101 104 103 136 118	



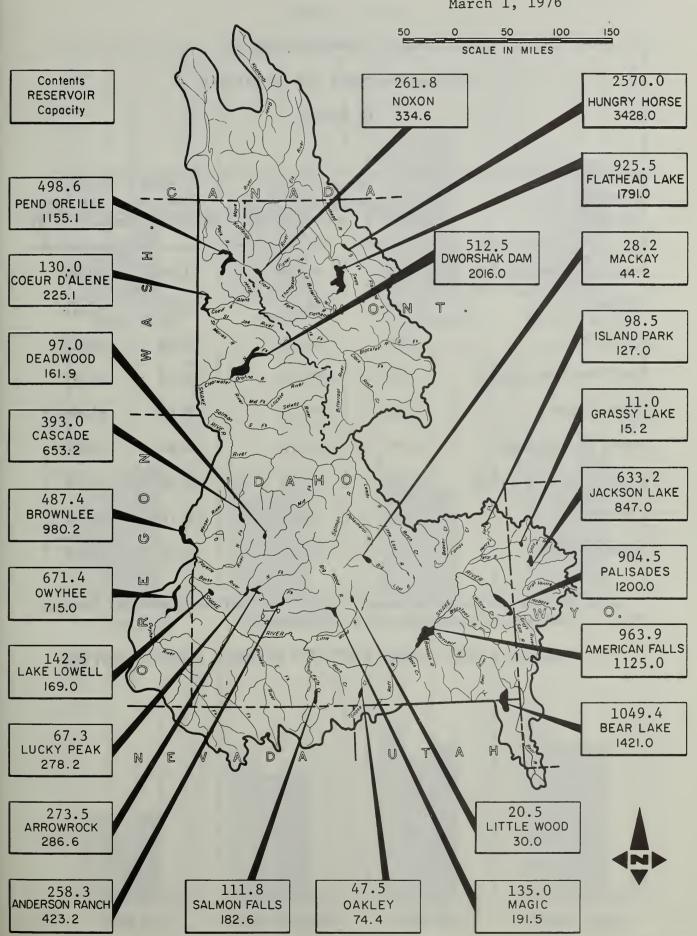
RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR STORAGE (1,000 RS. 13.7		ME	nth)	
RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	1958-72 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2570.0	1912.0	2329.0
Flathead	1791.0	925.5	816.1	1009.0
Pend Oreille	1155.1	498.6	177.7	457.0
Noxon	334.6	261.8	309.7	300.6
Spokane Coeur d'Alene	225.1	130.0	58.9	162.2
Coeur d Alene	223.1	130.0	30.9	162.3
SNAKE BASIN				
DIVINED DESCRIPTION				
Snake				
Jackson Lake	847.0	633.2	624.4	533.3
Palisades	1200.0	904.5	966.3	809.0
American Falls	1125.0	963.9	1060.4	789.1
Island Park	127.0	98.5	115.7	113.5
Grassy Lake	15.2	11.0	10.9	10.3
Brownlee	980.2	487.4	502.2	451.1*
Goose-Trapper Creeks	7, ,	/7.5	// 2	10.2
Oakley	74.4	47.5	44.2	19.3
Salmon Falls Creek Salmon Falls	182.6	111.8	62.9	34.5
Big Lost	102.0	111.0	02.9	54.5
Mackay	44.2	28.2	27.8	31.9
Big Wood	1.112		2,10	3217
Magic	191.5	135.0	113.4	103.5
Little Wood				
Little Wood	30.0	20.5	15.2	15.5
Fish Creek				
Carey Valley	14.4	7.0	5.3	
Boise	400.0	050 0	270 2	227.6
Anderson Ranch	423.2	258.3	270.3	237.6
Arrowrock	286.6 278.2	273.5 67.3	279.9 101.6	89.2
Lucky Peak Lake Lowell (Deer Flat)	169.0	142.5	116.8	132.0
Owyhee	109.0	142.5	110.0	132.0
Owyhee	715.0	671.4	467.4	451.2
Payette				
Cascade	653.2	393.0	348.5	325.9
Deadwood	161.9	97.0	87.2	78.8
Weiser				
Mann Creek	11.1	6.2	3.8	
Clearwater	0016	-10 -	105	
Dworshak	2016.0	512.5	436.1	
GREAT BASIN				
Bear	1/01	10/0	1007 -	050.0
Bear Lake	1421.0	1049.4	1087.5	958.3
*Doried of Docard				
*Period of Record.				

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

March 1, 1976



VALLEY PRECIPITATION $\underline{1}/$ Divison Averages and Departures

In Inches

		inter		- Winter
DRAINAGE		ary 1976		5 - Feb. 76
DIVISIONS	Observed	Departure $\underline{2}/$	Observed	Departure <u>2</u> /
Kootenai, Canada & U.S.	3.00	+0.98	13.07	+0.80
·				
Flathead	2.46	+0.66	8.33	-1.20
a1 1 7 1	0.01	.0.10	2.05	0.05
Clark Fork	0.94	+0.19	3.95	-0.25
Pend Oreille-Spokane	3.54	+0.46	15.52	-0.49
·				
Upper Snake	2.61	+0.76	9.65	+1.06
Snake River Plain	0.95	+0.19	3.54	-0.60
Shake kiver riain	0.93	TU.19	3.34	-0.00
Salmon-Payette-Boise	2.31	+0.48	9.86	-0.42
•				
Clearwater	2.92	+0.43	15.74	+2.93
0 1 W 11	1 00	10.1/	2 22	1 /5
Owyhee-Malheur	1.02	+0.14	3.32	-1.45

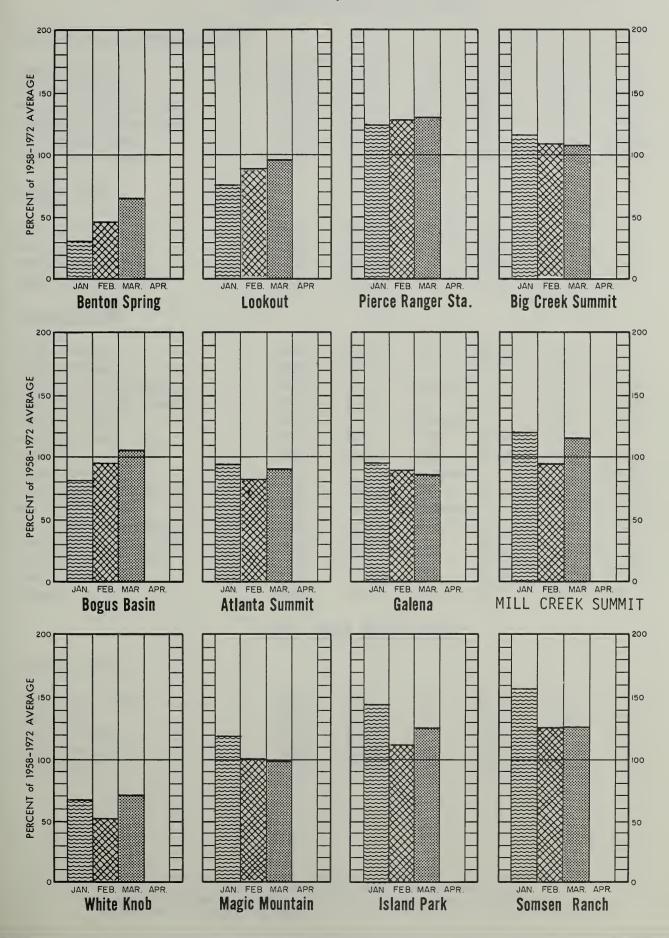
 $[\]underline{1}/$ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

 $[\]underline{2}$ / Departure from 15-year (1958-72) drainage division average.

SNOW WATER DEPTHS ACCUMULATION For Selected Snow Courses

As Compared To 1958-1972 15 Yr. Average

MARCH 1, 1976





SNOW			THIS YEAR	Y	PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	ent (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6

UPPER COLUMBIA RIVER BASIN

	UPPER COL	UMBIA RI	[VER BAS]	<u>EN</u>		
PEND OREILLE - PRIEST RIVE	<u>R</u>					
Benton Meadow	2370	2/24	18	4.6	8.6	6.1
Benton Spring	4900	2/23	38	11.2	21.4	17.4
#Mosquito Ridge (A)	5110	3/2	107	33.8	36.0	34.7*
#Mosquito Ridge (SP)	5110	3/2		31.2		
Schweitzer Bowl	4500	3/2	77	20.8	45.6	27.8*
Schweitzer Ridge	6100	3/2	118	40.0	60.2	39.9*
HAYDEN LAKE						
Chilco Ridge	3650	2/25	33	9.2	11.6	
Conie Ridge	3900	2/25	33	10.4	11.9	
Corner Creek	3150	2/25	32	9.4	11.6	
Sage Creek Saddle	4100	2/25	64	18.0	17.5	
SPOKANE RIVER						
Above Burke	4100	2/24	80	22.6	25.9	
Copper Ridge	4800	2/26	71	25.3	28.7	25.7
#Forty-nine Meadows	4880		Delayed	l	25.8	28.4*
Fourth of July Summit	3200	2/27	39	11.4	14.6	7.3*
Granite Peak	6000		Delayed	l	34.4	37.7*
Kellogg Peak (A)	5560	3/2	90	28.8	29.8	
Lookout	5120	2/24	102	31.2	30.4	32.4
#Lost Lake	6000		Delayed	l	45.6	51.3*
Lower Sands Creek	3400	2/26	59	17.8	18.5	17.5
Medicine Ridge	5920		Delayed		35.8	38.5*
Mosquito Ridge (A)	5110	3/2	107	33.8	36.0	34.7*
Mosquito Ridge (SP)	5110	3/2		31.2		
Roland Summit (A)	5200	3/2	102	31.6	31.0	31.3*
Sherwin	3200	2/26	59	15.8	19.2	13.8*
Sunset (A)	5600	3/2	131	32.7	30.7	33.7*
	LOWER SN.	AKE RIVE	ER BASIN			
PALOUSE RIVER						
Crumarine Creek	3340	2/27	42	11.9	13.5	7.8*
East Twin	4050	2/27	47	14.2	14.9	11.1
Howard Creek	3500	2/27	29	8.0	10.2	4.5*
Moscow Mountain	4400	2/27	68	18.7	21.7	15.3
West Twin	4250	2/27	43	12.2	15.6	9.4

				THIS YEAR	.,		ECORD
DRAINAGE BASIN and/or	SNOW COURSE	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Conte	Average b
INAPIC		Elevation	<u> </u>	J		Last rear	Average
CLEARWATER RIVER							
Cayuse Airstrip		3700		Delaye		13.6	11.7
Coolwater Mountain (SP)	6200	3/1		28.2	24.6	
Cottonwood Butte		5140	2/27	55	14.7	12.7	
Crater Meadows		6100		Delaye		37.8	40.9
Crooked Fork		3600	2/26	58	15.5	16.1	12.9
Elk Butte		5550		Delaye		33.3	35.0
Fish Lake Airstrip		5000	3/5	133	38.8	35.3	37.3
Forty-nine Meadows		4880		Delaye	d	25.8	28.4
Goat Lake		6600		Delaye		38.6	43.8
Granite Peak		6000		Delaye		34.4	37.7
Hemlock Butte		5500		Delaye		42.8	42.8
∦Hoodoo Basin	Mont.	6000	3/2	152	48.6	46.9	46.1
Hoodoo Basin (SP)	Mont.	6000	3/1		47.2	42.6	
Hoodoo Creek	Mont.	5900	3/2	143	45.5	43.5	43.2
Lolo Pass		5240	2/26	112	32.9	28.7	28.5
Lost Lake		6000		Delaye	d	45.6	51.3
Lower Snowhaven		5300	3/1	75	22.1	18.7	
Medicine Ridge		5920		Delaye	d	35.8	38.5
Nez Perce Pass	Mont.	6575	2/22	60	20.3	21.1	14.3
Pierce Ranger Station	n	3170	3/1	44	13.4	15.7	10.3
Powell Ranger Station	n	3400	2/29	52	15.2	15.7	12.6
Savage Pass		6170	2/29	97	30.9	24.2	20.5
Shanghai Summit		4600		Delaye	d	26.6	24.5
Jpper Snowhaven		5600	3/1	62	20.3	17.5	
SALMON RIVER							
Big Creek Summit		6600	2/26	102	34.0	34.1	31.4
Borah (A)		8250	3/3	25	6.6		
Boulder Creek		5500	2/27		21.6	24.4	
Brundage Mountain		7560	2/26	123	43.2	40.2	
Deadwood Summit		7000	3/4	120	41.6	39.9	
Doublespring Pass (A	1	8400	3/4	41	8.1		
Galena Summit	,	8795	2/25	66	18.9	21.6	
Gibbons Pass	Mont.	7100	2/24	68	24.1	24.9	
Leatherman Pass	riont.	9800	3/3	63	20.1	24.7	20.5
Lemhi Pass	Mont.	7480	2/22	38	11.2		
Lemhi Ridge	Mont.	8100	2/22	44	13.6		
Mill Creek Summit	rione.	8870	3/3	79	23.2	19.2	20.3
Moose Creek		6200	3/1	66	18.6	17.2	
Morgan Creek		7580	3/3	60	14.9	14.8	12.6
Redfish Lake Flat		6570	3/1	54	12.9		
Rock Flat Summit		5200	2/26	62	17.2	17.3	16.2
Secesh Summit		6520	2/27	97	32.3	34.2	
#Squaw Meadow		5800	2/27	97	32.3	34.8	31.1
rsquaw meadow Twin Peaks (A)		10300	3/3	97 89	26.2	22.1	21.1
Vienna Mine		8960	3/3 2/23				32.2
Villiams Creek Summi	t-	7800	2/23	51	14.8	11.4	11.0
VIIII OLEEK SUMMI	L	7800	2/2/	JΙ	14.0	11.4	11.0

⁽b) 1958-72, 15 year period. #Not located directly on this drainage. * Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

WONS		THIS YEAR			PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	nt Water Content (inche:		
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6	
Lemhi River							
Above Gilmore	8200	3/3	36	9.5	6.0	8.6*	
Aspen-Hall Pass (A)	8110	3/3	48	12.8	9.1	7.7*	
Copes Camp	7500	3/3	41	8.6	6.9	6.6*	
Hall Creek	7560	3/3	29	6.0	4.5	4.8*	
Meadow Lake	9100	3/3	60	17.2	14.1	17.1*	
Schwartz Lake	8500	3/3	58	15.6	11.0	11.0*	

SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	ent (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average (

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

LITTLE LOST RIVER						
Fairview Guard Station Lost Garfield Moonshine Sawmill Canyon Wet Creek Summit	6750 6600 7450 6900 7600	2/25 2/25 2/25 2/25 2/26	22 20 36 28 36	4.0 4.0 8.6 5.8 7.0	4.5 4.3 9.0 6.6 7.6	4.5 3.8 9.8 7.4 10.9
BIG LOST RIVER						
Bear Canyon Copper Basin Fishpole Lake Iron Bog Leadbelt #Leatherman Pass Lost-Wood Divide Stickney Mill White Knob	7920 7650 9350 7650 6800 9800 7900 7500 7700	2/23 2/23 2/27 2/27 2/27 3/3 2/23 2/23 3/1	38 18 41 45 26 63 60 30 30	8.8 5.2 11.0 9.2 5.2 20.1 16.3 6.3 5.9	12.2 7.2 14.0 10.4 7.1 17.5 8.6 9.0	16.3 8.6 13.8* 9.0* 20.5 8.4 8.4*
FISH CREEK						
Iron Mine Creek Telfer Ranch	6370 6000	3/1 3/1	39 31	9.2 7.0	10.2	9.7 7.7
LITTLE WOOD RIVER						
#Bear Canyon Garfield Ranger Station Muldoon Swede Peak	7920 6554 6300 7650	2/23 2/26 2/26 2/27	38 34 30 49	8.8 7.4 5.9 11.3	12.2 10.0 7.6 13.8	16.3 10.0 7.8 15.4
BIG WOOD RIVER						
#Couch Summit Dollarhide Summit Galena Galena Summit Graham Ranch #Lost-Wood Divide Mascot Mine Mount Baldy Soldier Ranger Station #Vienna Mine	6950 8620 7300 8795 6200 7900 7900 9000 6100 8960	3/2 2/23 2/25 2/25 2/25 2/23 2/23 2/27 3/2 2/23	60 59 58 66 41 60 38 57 40 84	16.0 17.8 14.7 18.9 9.6 16.3 9.5 15.2 10.7 27.8	16.8 19.9 18.4 21.6 12.2 17.5 9.7 17.0 12.0 29.9	16.9* 20.7 17.2 20.6 12.4 20.5 12.1 18.0 11.2 32.2

SNOW			THIS YEAR	Y	PAST RECORD		
DRAINAGE BASIN and/or SNOW COURS		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		
NAME	Elevation	or survey	(inches)	(mcnes)	Last Year	Average 6	
BOISE RIVER							
Atlanta Summit (SP)	7500	3/1		24.2	27.5	27.2*	
Bad Bear	5500	3/2	57	17.0	15.0	13.1*	
Bogus Basin	6120	3/3	65	21.7	22.0	20.7	
Bogus Basin Road	5360	3/3	23	8.2	7.4	5.4	
Couch Summit	6950	3/2	60	16.0	16.8	16.9*	
Deadman Gulch	5600	2/28	54	17.0		14.0*	
Dollarhide Summit	8620	2/23	59	17.8	19.9	20.7	
Fraham Guard Station	5690	2/27	58	16.8	18.4		
Jackson Peak	7000	2/27	86	28.2	27.8	27.2*	
Little Camas Flat	4950	3/2	30	8.9			
loores Creek Summit	6100	3/2	104	35.8	29.5	28.5	
rairie	4900	2/26	33	9.5	9.3	5.3	
Soldier Ranger Station	6100	3/2	40	10.7	12.0	11.2	
Crinity Mountain	7780	2/27	96	33.5	38.7	37.8	
Vienna Mine	8960	2/23	84	27.8	29.9	32.2	
	3,33	-, -3	0 ,	27.0	-,,,	32.2	
PAYETTE RIVER							
Big Creek Summit	6600	2/26	102	34.0	34.1	31.4	
Bogus Basin	6120	3/3	65	21.7	22.0	20.7	
Brundage Mountain	7560	2/26	123	43.2	40.2	42.2*	
Crawford Ranger Station	4800	2/26	24	7.4	10.0	7.7	
Deadman Gulch	5600	2/28	54	17.0		14.0*	
Deadwood Airstrip	5440	2/27	51	14.1	16.7	14.5	
Deadwood Summit	7000	3/4	120	41.6	39.9	40.4*	
ligh Valley Summit	5170	2/28	49	14.8	14.4	10.3*	
Jackson Peak	7000	2/27	86	28.2	27.8	27.2*	
ake Fork	6000	2/27	57	17.2	18.3	14.1*	
Rock Flat Summit	5200	2/26	62	17.2	17.3	16.2	
Secesh Summit	6520	2/27	97	32.3	34.2	10.2	
Squaw Meadow	5800	2/27	97	32.3	34.8	31.1*	
Tripod Summit	5200	2/27	66	21.4	20.5	15.8*	
TIPOU SUMMIL	5200	2/20	00	41.4	20.5	13.0"	
VEISER RIVER							
Boulder Creek	5500	2/27	69	21.6	24.4	21.8*	
Placer Creek	6000	3/1	59	14.8	17.7	15.9*	
IANN CREEK							
01	(000	0./07	(1	17.5	0/ 0		
Mann Creek	6080	2/27	61	17.5	24.3		
Robinson Creek Ridge	6220	2/27	44	12.6	23.2		
Sturgill Ridge	6800	2/27	69	19.8	26.9		
Chorson Cabin	5320	2/27	45	12.9	16.0		

DRAINAGE BASIN and/or SNOW COURSE Date of Survey Date of Survey Snow Depth (Inches) Water Content (Inches) Last Year Average 6	SNOW		THIS YEAR		PAST R	ECORD
NAME Elevation of Survey (Inches) (Inches) Last Year Average 6	DRAINAGE BASIN and/or SNOW COURSE		Snow Depth	Water Content	Water Content (inches)	
	NAME	Elevation	(Inches)	(Inches)	Last Year	Average 6

MIDDLE SNAKE RIVER - SOUTHSIDE

RAFT RIVER							
Boy Scout Camp Clear Creek Meadows George Peak Howell Canyon One Mile Summit Sheep Hollow Sublett	Utah Utah	7760 9050 9000 8000 7330 6200 6000	2/26 2/26 2/26 2/26 2/26 2/26 2/26	37 45 56 66 17 21 38	11.0 14.4 18.8 23.1 4.0 5.9 10.3	11.8 21.8 32.2 24.3 6.9 5.3 12.5	13.2* 18.2* 22.2 6.8* 5.6* 9.9
Summit Springs GOOSE CREEK		6400	2/26	37	11.0	12.6	9.7*
Badger Gulch Bostetter Ranger Stati Vi Pont SALMON FALLS CREEK	on	6660 7500 7670	2/26 2/26 2/26	37 56 47	10.9 17.2 15.5	12.6 17.8 13.5	10.1 17.5 12.7*
#Bear Creek Cedar Creek Deadline #Fox Creek Goat Creek #Hummingbird Springs Magic Mountain #Pole Creek R. S. Shoshone Basin Wilson Creek	Nev. Nev. Nev. Nev.	7800 7000 6900 6800 8800 8945 6700 8330 5740 7500	3/4 3/2 2/27 3/4 3/4 3/4 2/27 3/4 2/27 3/4	62 35 56 37 53 70 52 62 23 34	18.8 8.5 19.4 10.4 14.7 19.4 16.0 18.8 7.8 8.8	24.3 10.9 21.3 14.6 16.4 20.0 18.6 21.4 8.4 12.5	17.3 8.8 19.9 9.3 16.0 19.5 16.2 16.8 4.2
BRUNEAU RIVER Bear Creek Fox Creek Hummingbird Springs Pole Creek Rgr. Sta. #Seventy-six Creek	Nev. Nev. Nev. Nev.	7800 6800 8945 8330 7100	3/4 3/4 3/4 3/4 3/4	62 37 70 62 42	18.8 10.4 19.4 18.8 12.2	24.3 14.6 20.0 21.4 15.4	17.3 9.3 19.5 16.8 10.0*
OWYHEE RIVER							
Antelope Ridge Battle Creek (A) #Bear Creek Bull Basin (A) #Fox Creek Hyde Pasture (A) Red Canyon (A)	Nev.	5900 5700 7800 5600 6800 5800 6650	3/3 2/24 3/4 2/24 3/4 2/24 2/24	23 12 62 6 37 12 20	5.7 3.4 18.8 1.7 10.4 3.4 5.6	6.5 24.3 3.7 14.6 10.5 11.2	6.1* 2.9 17.3 1.1* 9.3 4.9 5.9*

SNOW				THIS YEAR	PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Content (inches)		
NAME		Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6
,							
#Seventy-six Creek	Nev.	7100	3/4	42	12.2	15.4	10.0*
Silver City		6400	3/2	60	13.2	17.2	13.8
South Mountain		6340	2/28	38	10.8	14.0	11.3
Succor Creek (A)		6100	2/24	21	5.9	8.4	5.4*
Triangle (A)		5150	2/24	1	0.3	2.5	0.6
Vaught Ranch (A)		5950	2/24	13	3.6	8.4	3.3*
War Eagle (A)		7700	2/24	69	19.3	18.6	22.1*

Tex Creek

SNOW			THIS YEAR	Y	PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Content (inches)	
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6

UPPER SNAKE RIVER BASIN CAMAS-BEAVER CREEKS 6800 2/26 28 6.9 10.9 9.0 Camp Creek 6200 2/27 34 9.1 12.1 10.1 Kilgore HENRYS FORK RIVER 2/26 64 21.5 6400 18.0 18.6 Big Springs 96 7850 2/27 36.0 27.8 29.4* Black Canyon Black Moose 8125 2/27 99 39.4 33.8 36.2* 29.8 Grassy Lake Wyo. 7230 2/25 110 40.4 30.1 Island Park 6315 2/26 58 18.4 15.6 14.7 Latham Springs 7630 2/27 93 35.0 27.8 27.9* 67 23.6 Lucky Dog 6900 2/27 23.6 21.6* Sawtell Mountain 8720 2/26 79 29.0 25.4 30.4* 2/26 50 16.0 10.9 13.5* Targhee Pass 7000 Valley View 6500 2/26 53 17.6 12.8 15.4 7700 2/26 68 22.9 19.7 White Elephant TETON RIVER 80 26.6 18.5 Darby Canyon Wyo. 8250 3/3 3/3 28.7 18.2 Freds Mountain Wyo. 8150 91 Garns Mountain 8300 3/3 128 44.8 33.2 3/3 116 41.7 30.4 Indian Meadows Wyo. 8240 Jackpine Creek Wyo. 7350 3/3 79 27.0 20.0 19.2 McRenolds Reservoir 6800 3/3 73 23.3 Miles Creek 7300 3/3 54 15.3 11.5 Wyo. 28.6 26.2 Phillips Bench 8200 2/26 80 Wyo. 3/3 21.7 16.6 15.4* Pine Creek Pass 6750 73 State Line 6650 3/3 65 18.1 14.1 12.8 2/24 27.8 20.6 Teton Pass W.S. 8400 76 Wyo. WILLOW CREEK Aspen Grove 6600 2/26 43 13.5 11.2 10.3* 11.7 12.5 Birch Creek 6800 2/26 38 14.3* 17.5 2/27 17.2 Blue Ridge 6800 51 __ 26 Bone 6200 2/26 8.1 8.6 7.5* Brockman Station 6430 2/26 35 11.0 10.5 --Hell Creek 7100 2/26 47 15.5 14.3 Mud Creek 2/26 40 12.7 12.6 7150 Sheep Mountain 6510 2/26 47 14.9 11.0 12.6*

6700

2/26

10.0

8.5*

12.1

39

SNOW			THIS YEAR	PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Content (inches)	
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average 6
SAND CREEK						
Henry Creek	5650	2/27	15	5.1	6.3	2.4*
BLACKFOOT RIVER						
Austin Bros. Ranch	6400	2/26	32	9.3	9.1	7.9
Slug Creek Divide	7225	2/25	54	16.0	15.3	14.7*
Somsen Ranch	7000	2/26	48	15.0	13.3	12.0
Ten Mile Pass	6250	2/26	28	8.7	5.4	
PORTNEUF RIVER						
Dempsey Creek	6280	2/28	44	13.8	14.0	10.6
Lower Pebble	5800	2/28	47	16.2	13.4	12.1*
Mink Creek	6300	2/26	54	17.4	20.5	15.0
Pebble Creek	6550	2/28	46	15.4	15.4	14.5

SNOW

DRAINAGE BASIN and/or SNOW COURSE	DRAINAGE BASIN and/or SNOW COURSE		Snow Depth	Water Content	Water Content (Inches)		
NAME	Elevation	Date of Survey	(Inches)	(Inches)	Last Year	Average 6	
	GREAT	BASIN					
BEAR RIVER							
Emigrant Summit	7350	2/26	70	21.3	22.6	21.8*	
Emigration Canyon	6500	2/26	40	11.4	10.5	9.7*	
Montpelier Creek							
	6010	0.40=					
Giveout Little Beaver	6840 6970	2/25 2/25	46 50	12.2 14.7	12.0 14.5	11.0* 14.0*	
Montpelier Creek	6570	2/25	31	8.1	7.8	7.5*	
Whiskey Flat	6985	2/25	30	8.0	7.4	8.9*	
,		,					
Mink Creek							
Christensen Ranch	5600	2/25	42	11.9	10.1	7.7	
Dry Basin	7900	2/25	79	25.1	25.1	25.3*	
#Emigrant Summit	7350	2/26	70	21.3	22.6	21.8*	
Horseshoe Basin	8000 8600	2/25 2/25	66 94	21.8 33.0	22.1	23.2*	
Liberty Spring Strawberry Creek	5800	2/25	94 41	11.6	33.4 11.5	9.6	
Strawberry Mink Divide	6800	2/25	64	19.8	21.6	18.6	
		_,					
Cub River							
Cub River R. S.	5400	2/25	40	12.3	11.0	8.0	
#Franklin Basin	8000	2/25	61	20.5	22.9		
Willow Flat	6100	2/25	53	17.2	17.1	13.7	
Worm Creek	6660	2/25	57	17.3	18.8		
MALAD RIVER							
Cliff Canyon	7200	2/25	28	8.0	10.7		
Daniels Creek	6400	2/25	28	7.7	6.5		
Dry Creek Flat	6480	2/25	32	10.4	10.3	6.6	
Lower Elkhorn	7000	2/25	40	12.9	15.1	12.4*	
Oxford Mountain	6800	2/25	38	11.5	11.2	9.4	
Upper Elkhorn	7100	2/25	56	17.7	16.8	16.0*	

THIS YEAR

PAST RECORD

SOIL MOISTURE			(Inches)	SOIL MOISTURE (Inches)				
STATION NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO	
SPOKANE RIVER								
Fourth of July Summit Lookout	3100 5250	48 48	11.6	3/1 2/24	12.2	7.8 7.4	10.2 8.6	
SALMON RIVER								
Mill Creek Summit	8870	48	9.4	3/3	4.2		4.0	
Lemhi River								
Above Gilmore Meadow Lake	8200 9100	60 48	5.4 4.4		3.5	Frozen	4.2	
LITTLE LOST RIVER								
Fairview Guard Station	5850	42	7.6	2/25	7.8		8.5	
BIG WOOD RIVER								
Galena Galena Summit	7300 8795	48 48	10.1 5.8	2/25 2/25	6.9 1.6	5.4 Frozen	1.8	
BOISE RIVER								
Bogus Basin Road	4830	48	7.1	2/27	5.8			
RAFT RIVER								
Howell Canyon Sheep Hollow	8000 6200	48 36	11.5 7.5	2/26 2/26	9.1 6.9		9.1 6.8	
GOOSE CREEK								
Badger Gulch	6660	36	7.0	2/26	6.6		5.1	
SALMON FALLS CREEK								
Deadline Patrick Ranch Pole Creek R. S.	6900 5720 8330	36 36 48	7.4 7.7 9.7		6.4 7.4 8.1	5.7 6.1 6.9	6.8 5.1 8.1	
BRUNEAU RIVER					-			
Bear Creek	7800	72	16.9	3/4	10.8	9.0	11.1	
HENRYS FORK RIVER								
Island Park	6315	48	9.9	2/26	8.5		10.6	

BEAR RIVER	
Emigrant Summit 7350 36 8.2 2/26 5.7 1 Strawberry Creek 5800 48 12.7 2/26 7.6 1 Montpelier Creek Giveout Pass 7025 36 9.4 2/25 4.6	EARS GO
Emigrant Summit 7350 36 8.2 2/26 5.7 1 Strawberry Creek 5800 48 12.7 2/26 7.6 1 Montpelier Creek Giveout Pass 7025 36 9.4 2/25 4.6	
Strawberry Creek 5800 48 12.7 2/26 7.6 1 Montpelier Creek Giveout Pass 7025 36 9.4 2/25 4.6	
Giveout Pass 7025 36 9.4 2/25 4.6	7.4 L.0
	7.6 L.8

Agencies and Organizations Cooperating Agencies and Organizations Surveys

COVERNMENT AGENCIES

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Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana Cooperative Snow Surveys
Montana Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Agricultural Experiment Station
Oregon Agricultural Experiment Station
Oregon Agricultural Experiment Station
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U.S. Army Engineers

U.S. Department of Agriculture Forest Service Agricultural Research Service Statistical Reporting Service

U.S. Department of Commerce NOAA, National Weather Service

U.S. Department of the Interior Bonneville Power Administration Bureau of Reclamation Fish and Wildlife Service Water Resources Division, Geological Survey Mational Park Service Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company Washington Water Power Company Idaho Power Company Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Vost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
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